FREECOM

INNOVATIVE GERMAN QUALITY

USER MANUAL

MOBILE HARD DRIVES
DESKTOP HARD DRIVES

Rev. 048

Dear user!

Thank you for selecting the **Freecom Mobile Hard Drive / Desktop Hard Drive** as your external data storage device. For optimal use and performance we advise you to read this manual carefully before using this product.

Please note: this manual is a general manual which is used for several Freecom products. Product pictures shown in this manual may differ from the device you bought.

Freecom Technologies • Germany
www.freecom.com

Contents of the box

Please check the contents of the box. All articles included in this box are listed on the back side of the packaging.

Need assistance? Have questions?

In case you have a question about the use of this product, need information about other Freecom products or need technical assistance, please contact the Freecom Service Center for your country. See www.freecom.com for details.

Freecom offers free unlimited helpdesk support.

Warning !

All rights reserved. The products named in this manual are only used for identification purposes and may be trademarks or registered trademarks of the respective companies. This device was designed for home or office use.

Warning! This device is equipment complying with EN55022 class A. This equipment can cause radio disturbances in a residential area. If this is the case, the user has to take appropriate measures and assume all responsibility and costs for. It may not be used near or with any life-sustaining systems.

Freecom cannot be made liable for any damages, loss of data or damage following thereof -whatsoever (including, without limitation, damages for loss of business profits, business interruption, loss of business information, or other pecuniary loss) arising out of the use of or inability to use this Freecom product, even if Freecom has been advised of the possibility of such damages.

We reserve the right to upgrade our products in keeping with technological advances.

Table of Contents

General Information ..... page 4
Precautionary measures ..... page 5
Freecom Mobile Hard Drive / Desktop Hard Drive ..... page 6

Chapter

Hardware Installation ..... page 7

Chapter

Driver Installation ..... page 7

Chapter

Installation of the application software ..... page 8

Chapter

Partitioning your Freecom Mobile Hard Drive / Desktop Hard Drive ..... page 10

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General Information

The following hardware and software requirements must be fulfilled to ensure trouble-free operation.

System requirements

In order to use the Freecom Mobile Hard Drive / Desktop Hard Drive, following components are needed:

PC:

- Intel Pentium III / AMD Duron 900 MHz or higher
- 256 MB RAM (Vista/7: 512 MB RAM) or higher
- Available USB 3.0/2.0 port*
- Internet connection for online warranty registration, software updates and downloads
- Operating system: Windows XP, Windows Vista, Windows 7

Mac:

- PowerPC G4/G5 or Intel Mac
- 256 MB RAM or higher
- Available USB 2.0/3.0 port*
- Internet connection for online warranty registration, software updates and downloads
- Operating system: Mac OS X v10.4 or higher

* To achieve optimal performance from the Freecom Mobile Hard Drive / Desktop Hard Drive your computer should be equipped with an USB 3.0 port. Since USB 3.0 is backwards compatible with USB 2.0.

Precautionary measures

To ensure that your Freecom Mobile Hard Drive / Desktop Hard Drive functions properly, please take note of the following precautions. If these are not followed, you may void your warranty and damage the Freecom Mobile Hard Drive / Desktop Hard Drive.

- Safely remove the Freecom Mobile Hard Drive / Desktop Hard Drive via your operating system (the "unplug or eject hardware" option in the Windows taskbar) before disconnecting the data cable. Failing to do so may result in data loss.
- Do not drop the Freecom Mobile Hard Drive / Desktop Hard Drive or expose it to other kinds of sudden mechanical shocks as this may result in data loss and damage to the Freecom Mobile Hard Drive / Desktop Hard Drive.
- Do not use the Freecom Mobile Hard Drive / Desktop Hard Drive when the ambient temperature is below 10°C or above 35°C.
- If the Freecom Mobile Hard Drive / Desktop Hard Drive is moved from a cool environment to a warmer environment, please allow the drive to acclimatize to the ambient temperature before operating the device. Failing to do so may lead to condensation within the drive enclosure, which in turn may cause the drive to malfunction.
- Do not place liquids or drinks on the Freecom Mobile Hard Drive / Desktop Hard Drive. When liquids are spilled and get in contact with the electronics within the drive enclosure, it will damage the drive and will cause the drive to malfunction.
- Do not use the Freecom Mobile Hard Drive / Desktop Hard Drive in a dusty environment. Dust inside the enclosure may damage the internal electronics and result in drive malfunction.
- Opening the Freecom Mobile Hard Drive / Desktop Hard Drive will void the warranty.
- Since USB 3.0 is backwards compatible with USB 2.0, the Freecom Mobile Hard Drive / Desktop Hard Drive can be connected to all USB ports. When connected to a USB 2.0 port, however, the performance (data transfer rate) of the Freecom Mobile Hard Drive / Desktop Hard Drive will be much lower than when the drive is connected to a USB 3.0 port.

If at any point during installing and/or configuring your Freecom Mobile Hard Drive / Desktop Hard Drive you need assistance or have questions, please contact the Freecom Support Center for your country. See www.freecom.com for details.

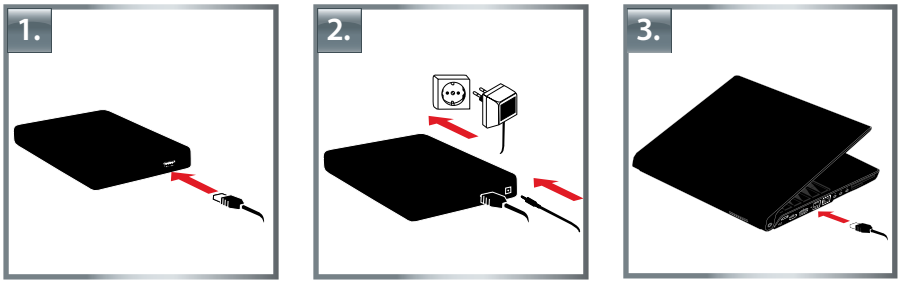
Freecom offers free unlimited helpdesk support.

Freecom Mobile Hard Drive / Desktop Hard Drive

The hi-speed data transfer through the (e.g. USB, Firewire, eSATA, LAN) interface makes it ideally suitable for data-storage, file sharing, backup, archiving, audio playback and all applications that need fast file access.

For your convenience, the Freecom Mobile Hard Drive / Desktop Hard Drive has been partitioned (1 partition) and pre-formatted (FAT32 file system). The FAT32 format ensures maximum interchangeability of the Freecom Mobile Hard Drive / Desktop Hard Drive between different computers. Should you choose to format the Freecom Mobile Hard Drive / Desktop Hard Drive in another file system (e.g. NTFS), please be aware of possible problems when connecting the Freecom Mobile Hard Drive / Desktop Hard Drive to another computer than the one you used for formatting.

Chapter: Hardware Installation



1. Connect the interface cable* to the Freecom Mobile Hard Drive / Desktop Hard Drive.
2. **Optional:** Connect the cable of the power supply to the Freecom Mobile Hard Drive / Desktop Hard Drive and the power supply itself to the socket.
3. Connect the interface cable* to the interface port of your computer.
4. **Optional:** if your device comes with a power switch, switch on the device before using it.

* Please use the interface cables that come with your device (e.g. USB, eSATA, Firewire, LAN) for connecting the device to your PC/Mac.

Safely remove the Freecom Mobile Hard Drive / Desktop Hard Drive via your operating system (the "unplug or eject hardware" option in the Windows taskbar) before disconnecting the USB cable or power cable and before switching off the device. Failing to do so may result in data loss.

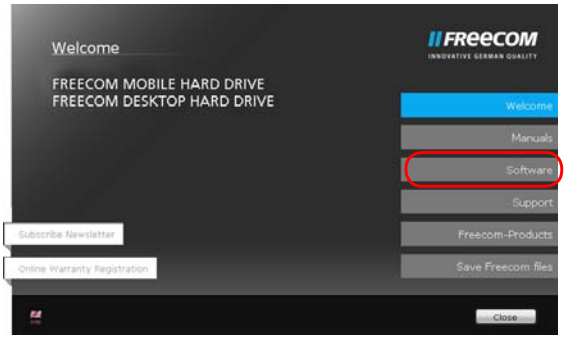
Chapter: Driver Installation

Under Windows XP / Vista / 7 and Mac OS X a separate Freecom driver is not required. The drivers will be installed automatically by the operating system after plugging in the Freecom Mobile Hard Drive / Desktop Hard Drive into the interface port of the computer.

Chapter: Installation of the application software

Software installation PC

1. Click on "Start PC.exe" in the main directory of the hard drive. The Freecom start menu opens.



2. Click on "Software". The installation starts now. Follow the instructions on the screen, confirm with "Next" in order to continue with the installation.

Saving Freecom data

The user manuals and complementary software (when applicable) are pre-loaded onto the hard drive. We recommend that you save these files to your computer ("My Documents"/"Freecom"), to always have a backup of these files in case you (accidentally) reformat the drive or delete these files from the drive.

Saving these files from the external hard drive to your computer is easy:

1. Click on the button "Save Freecom files".
2. All provided data on the Freecom hard drive will be saved to the folder "Freecom" in "My Documents".

Software installation Mac

1. Click on "Start MAC" in the main directory of the hard drive. The Freecom start menu opens.

2. Click on "Software". The installation starts now. Follow the instructions on the screen, confirm with "Next" in order to continue with the installation.

Saving Freecom data

The user manuals and complementary software (when applicable) are pre-loaded onto the hard drive. We recommend that you save these files to your computer ("Documents"/ "Freecom"), to always have a backup of these files in case you (accidentally) reformat the drive or delete these files from the drive.

Saving these files from the external hard drive to your computer is easy:

1. Click on "Start MAC" in the main directory of the hard drive. The Freecom start menu opens.
2. Click on the button "Save Freecom files".
3. All provided data on the Freecom hard drive will be saved to the folder "Freecom" in "Documents".

Chapter: Partitioning your Freecom Mobile Hard Drive / Desktop Hard Drive

General information

Your Freecom Mobile Hard Drive / Desktop Hard Drive was partitioned and formatted to provide you with the maximum available capacity and compatibility. FAT32 was chosen as file system to assure that you will be able to read your files on any PC. It is recommended not to change the current configuration of your Freecom Mobile Hard Drive / Desktop Hard Drive.

For some users another file system might fit better for their needs. This manual describes current limitations of most common file systems and Instructions to enable you to adapt the Freecom Mobile Hard Drive / Desktop Hard Drive to your needs.

File System features

Please refer to the tables below for an overview:

File systems supported by different operating systems

File system / Operating system	FAT	FAT32	NTFS	HFS+
Windows XP / Vista / 7	yes	yes	yes	no
Mac OS X	yes	yes	yes (only read)	yes

Maximum size of a partition

File system / Operating system	FAT	FAT32	NTFS	HFS+
Windows XP / Vista / 7	4 GB*	32 GB	16 TB	-
Mac OS X 10.1.x	-	128 GB	-	2 TB
Mac OS X 10.2.x	-	128 GB	-	8 TB
Mac OS X 10.3.x	-	(-> 128 GB)	-	16 TB
Mac OS X 10.4.x	-	(-> 128 GB)	-	16 TB
Mac OS X 10.5.x	-	(-> 128 GB)	-	16 TB
Mac OS X 10.6.x	-	(-> 128 GB)	-	16 TB

Example for different partitions with different file systems on one Freecom Mobile Hard Drive / Desktop Hard Drive

File system / Total size of Freecom HD	NTFS	FAT32
250 GB	220 GB	30 GB

Note: On NTFS formatted hard drives can only be written under Windows XP / Vista / 7. Under MacOSX data can only be read.

The example above is a good solution for Windows XP / Vista / 7 users who sometimes exchange data with Macs.

For storing the data under Windows XP / Vista / 7 both partitions can be used. As the NTFS file system can only be read by Mac data to be used on these operating systems must be stored on the FAT32 partition.

Please follow the steps below to adapt the Freecom Mobile Hard Drive / Desktop Hard Drive for your needs.

Partitioning your Freecom Mobile Hard Drive / Desktop Hard Drive under Windows XP / Vista / 7

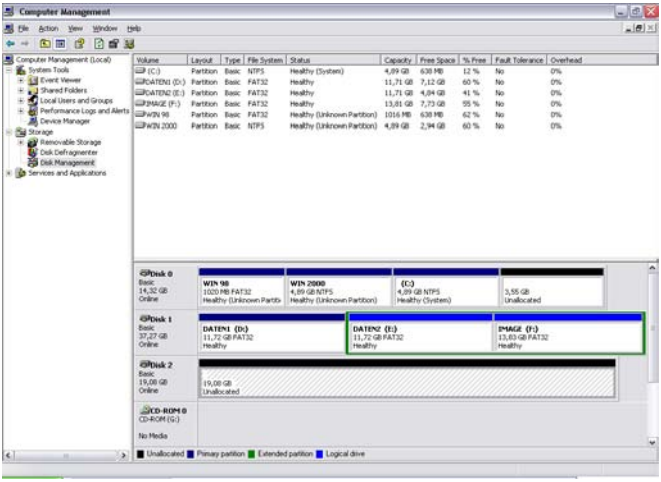
Deleting a partition

1. Click with the right mouse button on the "My Computer" icon on your desktop.
2. Select the option "Manage".
3. Select the option "Storage" -> "Disk Management".
4. Choose your external Freecom Mobile Hard Drive / Desktop Hard Drive and right-click on the partition.
5. Select "Delete Partition" and confirm by clicking on "Yes". The partition will be deleted now.

Creating a partition

The following steps will guide you through the process of creating partitions on your Freecom Mobile Hard Drive / Desktop Hard Drive. After this procedure your Freecom Mobile Hard Drive / Desktop Hard Drive will be ready for use and it will be allocated a drive letter.

1. Click with the right mouse button on the "My Computer" icon on your desktop.
2. Select the option "Manage".
3. Select the option "Storage" -> "Disk Management".
4. Choose the hard drive, which is "unallocated". Ensure that the entire drive is "unallocated".



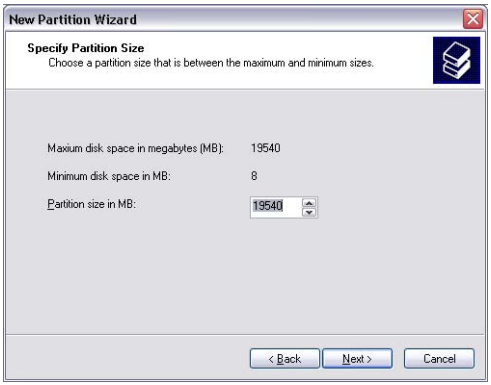
5. Click with the right mouse button on the "unallocated" area and select the option "New Partition". The "New Partition Wizard" opens. Click on "Next".

New Partition Wizard
Welcome to the New Partition Wizard
This wizard helps you create a partition on a basic disk.
A basic disk is a physical disk that contains primary partitions, extended partitions, and logical drives. You can use any version of Windows or MS-DOS to gain access to partitions on basic disks.
To continue, click Next.
< Back
Next >
Cancel

6. Select "Primary partition" and click on "Next".

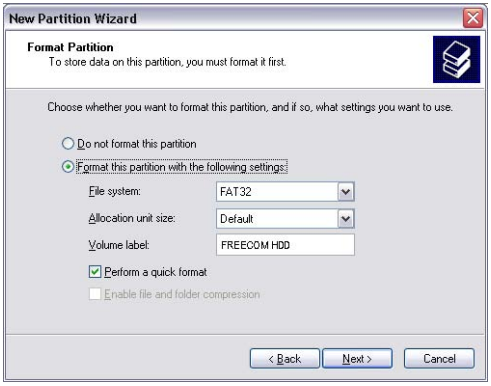
New Partition Wizard
Select Partition Type
There are three types of partitions: primary, extended, and logical.
Select the partition you want to create:
Primary partition
Extended partition
Logical drive
Description
A primary partition is a volume you create using free space on a basic disk. Windows and other operating systems can start from a primary partition. You can create up to four primary partitions or three primary partitions and an extended partition.
< Back
Next >
Cancel

7. Now you can adjust the size of your partition. Click on "Next" if only one partition is to be created. See next chapter (Creating two or more partitions on the Freecom Mobile Hard Drive / Desktop Hard Drive under Windows XP / Vista / 7) how to create more than one partition.

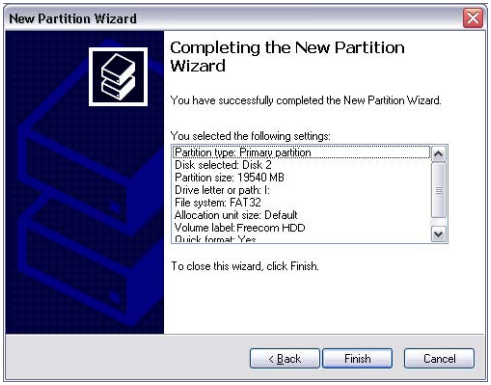


8. Assign a drive letter to your hard drive. Normally you can use the default options. Click on "Next".

9. Select the formatting option "Format this partition with the following settings". Choose either "FAT32" or "NTFS", the "Allocation unit size" should remain on "Default". Finally select "Perform a quick format" and click on "Next".


New Partition Wizard
Format Partition
To store data on this partition, you must format it first.
Choose whether you want to format this partition, and if so, what settings you want to use.
Do not format this partition
Format this partition with the following settings:
File system:
FAT32
Allocation unit size:
Default
Volume label:
FREECOM HDD
Perform a quick format
Enable file and folder compression
< Back
Next >
Cancel

10. Click on "Finish" to complete the partitioning of your Freecom Mobile Hard Drive / Desktop Hard Drive. Your Freecom Mobile Hard Drive / Desktop Hard Drive will be formatted now and is ready-to-use afterwards.

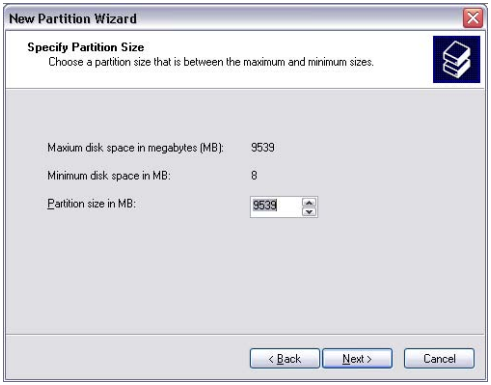


Creating two or more partitions on the Freecom Mobile Hard Drive / Desktop Hard Drive under Windows XP / Vista / 7

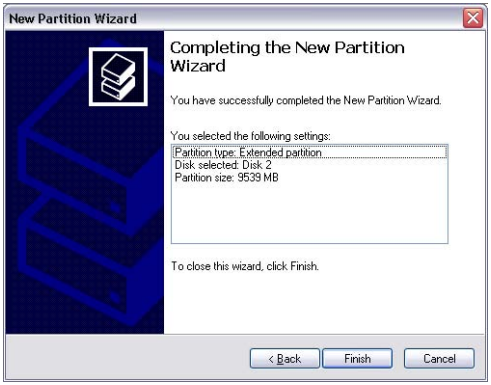
1. Repeat the steps from the previous chapter (Creating a partition on the Freecom Mobile Hard Drive / Desktop Hard Drive under Windows XP / Vista / 7) for creating the first partition.
2. Click with the right mouse button on the "My Computer" icon on your desktop.
3. Select the option "Manage".
4. Select the option "Storage" -> "Disk Management".
5. Right-click on the unallocated space of your Freecom Mobile Hard Drive / Desktop Hard Drive and select the option "New partition". The "New Partition Wizard" opens. Click on "Next".
6. Select "Extended partition" and click on "Next".

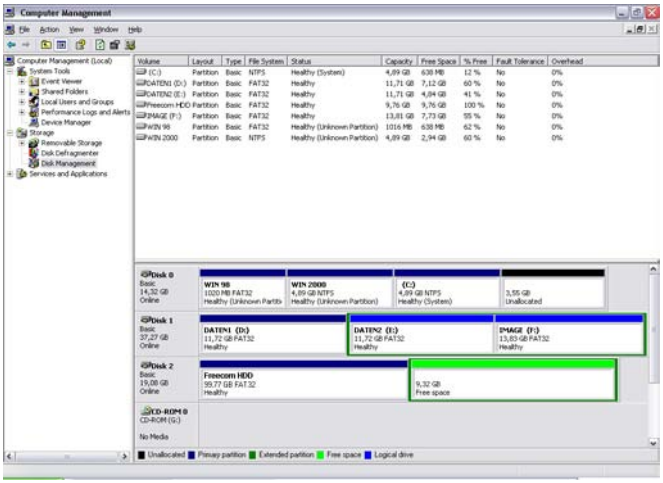
New Partition Wizard
Select Partition Type
There are three types of partitions: primary, extended, and logical.
Select the partition you want to create:
Primary partition
Extended partition
Logical drive
Description
An extended partition is a portion of a Master Boot Record (MBR) basic disk that can contain logical drives. Use an extended partition if you want to have more than four volumes on your MBR basic disk.
< Back
Next >
Cancel

7. Now you can adjust the size of your partition. Enter the size and click on "Next".

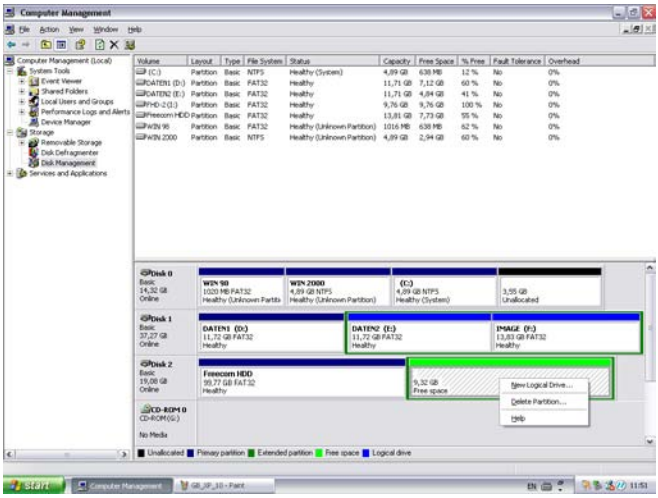


8. Click on "Finish" to create the "Extended partition". The unallocated space now changed to "Free space".





9. Right-click on "Free Space" and select "New Logical Drive". The "New Partition Wizard" opens. Click on "Next".

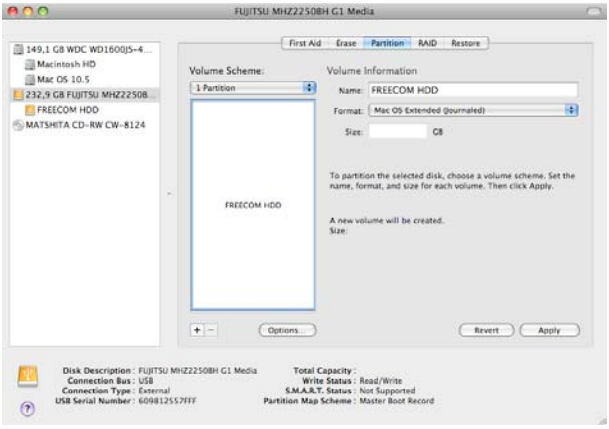


10. "Logical drive" is already selected. Click on "Next".
11. Specify the partition size and click on "Next".
12. Assign a drive letter and click on "Next".
13. Select the formatting option "Format this partition with the following settings". Choose either "FAT32" or "NTFS", the "Allocation unit size" should remain on "Default". Finally select "Perform a quick format" and click on "Next".
14. Click on "Finish" to complete partitioning. Your partition will be formatted now and is ready-to-use.

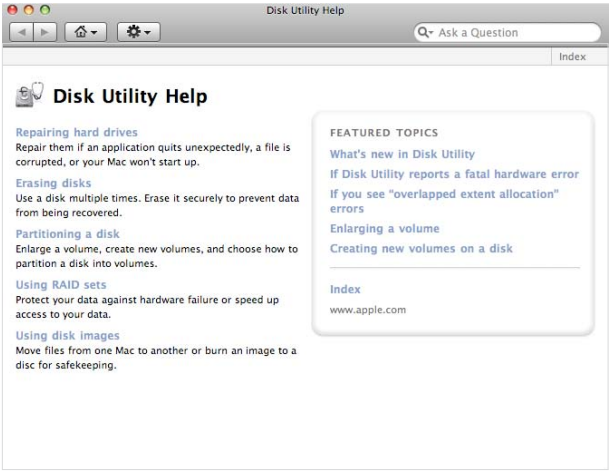
Note: If you select NTFS as file system, the data of your Freecom Mobile Hard Drive / Desktop Hard Drive can be read only under Mac OS X. There is no possibility to write data.

Partitioning your Freecom Mobile Hard Drive / Desktop Hard Drive under Mac OS X

1. Open the "Disk Utility". This can be found in "Applications" —> "Utilities".
2. Click on the tab "Partition".



Here you can setup the partition settings and partition the drive according to your settings (e.g. Mac OS Extended). Detailed information how to use the Disk Utility can be found in the help:


Disk Utility Help
Ask a Question
Index
Disk Utility Help
Repairing hard drives
Repair them if an application quits unexpectedly, a file is corrupted, or your Mac won't start up.
Erasing disks
Use a disk multiple times. Erase it securely to prevent data from being recovered.
Partitioning a disk
Enlarge a volume, create new volumes, and choose how to partition a disk into volumes.
Using RAID sets
Protect your data against hardware failure or speed up access to your data.
Using disk images
Move files from one Mac to another or burn an image to a disc for safekeeping.
FEATURED TOPICS
What's new in Disk Utility
If Disk Utility reports a fatal hardware error
If you see "overlapped extent allocation" errors
Enlarging a volume
Creating new volumes on a disk
Index
www.apple.com

2 YEARS WARRANTY

WARRANTY
(VALID IN EUROPE/TURKEY ONLY)

We thank you for purchasing this Freecom product and hope you will enjoy using it. In order to avoid unnecessary inconvenience on your part, we suggest reading the quick install guide, instruction manual and any additional electronic and or printed manuals. When problems occur we have a database with Frequently Asked Questions (FAQ) on our Freecom website (www.freecom.com), please check this site before you contact the helpdesk.

Your Guarantee

All Freecom products come with unlimited technical phone and web support. By this Guarantee, Freecom warrants their products to be free from defects in material and workmanship for a period listed below from the date of its original purchase. If during this period of guarantee the product proves defective due to improper materials or workmanship, Freecom will, without charge for labour or parts, at its sole discretion, repair or replace the product or its defective parts upon the terms and conditions set out below.

Conditions

This guarantee will be granted only when the original invoice or sales receipt (indicating the date of purchase, product and serial number) is presented together with the defective product and a Freecom RMA number received from the Freecom Website or given by a Freecom Service Center. Freecom reserves the right to refuse the free-of-charge guarantee services when the date of purchase of the product cannot be proven. This guarantee will not apply if the RMA number is missing, the serial number on the product has been altered, removed or made illegible.
This guarantee covers only the hardware components packaged with the product. This guarantee covers none of the following: (a) any consumable supplied with the product, such as media or batteries; (b) damage to or loss of any software programs, data or removable storage media; (c) any damage resulting from adaptations, changes or adjustments, which may have been made to the product, without the prior written consent of Freecom; (d) attempted repair by any party other than authorized by Freecom and (e) accidents, lightning, water, fire or any other such cause beyond the reasonable control of Freecom.

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